

What is claimed is:

1       1. A handwriting and video input function included portable electronic device to be  
2       employed for downloading or uploading data from or to an electronic machine.

3       comprising:

4              a tablet screen for receiving input signals of a stylus;

5              a multimedia input/output (I/O) unit for input and output of multimedia  
6       audio/video (A/V) signals;

7              a wireless transceiver unit for uploading received data of the tablet  
8       screen or the multimedia I/O unit to the electronic machine and downloading  
9       data from the electronic machine for output via the multimedia I/O unit; and

10             a data input/output (I/O) controller being a flash memory controller  
11       employed to control the tablet screen, the multimedia I/O unit, and the wireless  
12       transceiver unit for transmitting data received by the tablet screen or by the  
13       multimedia I/O unit to the electronic machine via the wireless transceiver unit,  
14       or transmitting the data received by the wireless transceiver unit from the  
15       electronic device for output via the multimedia I/O unit.

1       2. The portable electronic device according to claim 1, wherein the electronic  
2       machine is a Desktop computer capable of performing wireless data  
3       transmission.

1       3. The portable electronic device according to claim 1, wherein the tablet screen is  
2       a tact liquid crystal display (LCD) panel.

1       4. The portable electronic device according to claim 1, wherein the tablet screen is  
2       a handwriting-input digital tablet.

1       5. The portable electronic device according to claim 1, wherein the wireless  
2       transceiver unit is an infrared ray (IR) transceiver unit.

- 1       6. The portable electronic device according to claim 5, wherein the IR transceiver  
2       unit comprises an IR transceiver and an IR controller.
- 1       7. The portable electronic device according to claim 1, wherein the wireless  
2       transceiver unit is a radio transceiver.
- 1       8. The portable electronic device according to claim 1, wherein the multimedia I/O  
2       unit contains a video signal I/O module.
- 1       9. The portable electronic device according to claim 1, wherein the multimedia I/O  
2       unit contains an audio signal I/O module.
- 1       10. The portable electronic device according to claim 1, wherein the data I/O  
2       controller is a flash memory controller.